

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

DOCKET NO.: MSFT-1749/302725.01

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

J. Patrick Thompson, et al.

Confirmation No.: 1302

Application No.: 10/646,941

Group Art Unit: 2171

Filing Date: August 21, 2003

Examiner: Not Yet Assigned

For: **SYSTEMS AND METHODS FOR SEPARATING UNITS OF INFORMATION
MANAGEABLE BY A HARDWARE/SOFTWARE INTERFACE SYSTEM
FROM THEIR PHYSICAL ORGANIZATION**

DATE OF DEPOSIT:

2/5/04

I HEREBY CERTIFY THAT THIS PAPER IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID,
ON THE DATE INDICATED ABOVE AND IS
ADDRESSED TO THE UNITED STATES PATENT AND
TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA,
VA 22313-1450.

David M. DeSanto

TYPED NAME: David DeSanto

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).



In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;

or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☒ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No.

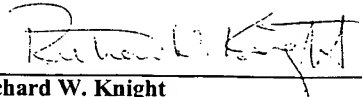
, filed

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date:

2/5/04



Richard W. Knight
Registration No. 42,751

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



| | | | | |
|---|---|---|--------------------------------------|--|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. MSFT-1749/302725.01 | | Application No. 10/646,941 | |
| | Applicant J. Patrick Thompson, et al. | | | |
| | Filing Date August 21, 2003 | | Group 2171 | |
| | Confirmation No. 1302 | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | 1 | D'Andrea, A. et al., "Unisql's Next-Generation Object-Relational Database Management System", <i>ACM SIGMOD Record</i> , September 1996 , 25(2), 70-76 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| EXAMINER | | DATE CONSIDERED | | |



| | | |
|---|---|--------------------------------------|
| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. MSFT-1749/302725.01 | Application No. 10/646,941 |
| | Applicant J. Patrick Thompson, et al. | |
| | Filing Date August 21, 2003 | Group 2171 |
| | Confirmation No. 1302 | |

U. S. PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|------------------|----|-----------------|----------|--------------------|-------|----------|
| | 2 | 2002/0198891 A1 | 12/26/02 | Li, et al. | 707 | 102 |
| | 3 | 2002/0091702 A1 | 07/11/02 | Mullins | 707 | 100 |
| | 4 | 5,900,870 | 05/04/99 | Malone, et al. | 345 | 333 |
| | 5 | 6,047,291 | 04/04/00 | Anderson, et al. | 707 | 103 |
| | 6 | 6,108,004 | 08/22/00 | Medl | 345 | 346 |
| | 7 | 6,112,024 | 08/29/00 | Almond, et al. | 395 | 703 |
| | 8 | 6,199,195 B1 | 03/06/01 | Goodwin, et al. | 717 | 1 |
| | 9 | 6,338,056 B1 | 01/08/02 | Dessloch, et al. | 707 | 2 |
| | 10 | 6,370,541 B1 | 04/09/02 | Chou, et al. | 707 | 103 |
| | 11 | 6,519,597 B1 | 02/11/03 | Cheng, et al. | 707 | 10 |
| | 12 | 6,556,983 B1 | 04/29/03 | Altschuler, et al. | 706 | 55 |
| | 13 | 6,578,046 B2 | 06/10/03 | Chang, et al. | 707 | 103 |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document No. | Date | Country | Translation | |
|------------------|--|--------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | | | | | | |
| | | | | | | |

| | |
|-----------------|------------------------|
| EXAMINER | DATE CONSIDERED |
|-----------------|------------------------|